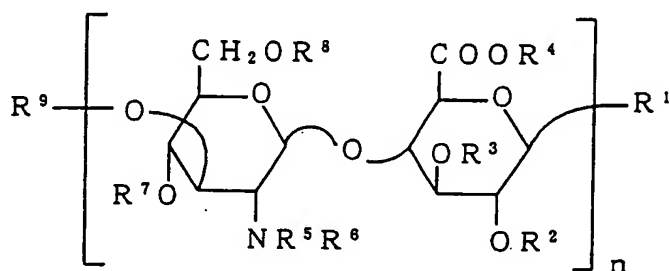


CLAIMS

1. A sebum production inhibitor containing as an active ingredient a compound of general formula (1) below having a glucuronic acid derivative and a glucosamine derivative in the structure or a pharmacologically acceptable salt thereof.

Formula (1)



where

R^1 denotes a protective group or any of formulae (2) to (5) below where R^{10} denotes a hydrogen atom, a protective group or any of formulae (6) to (8) below, and R^{11} denotes a hydrogen atom or a protective group, provided that when R^{10} and R^{11} are a hydrogen atom or a protective group, R^1 may be attached at the trans- or cis-position with respect to $COOR^4$,

Formula (2)



Formula (3)



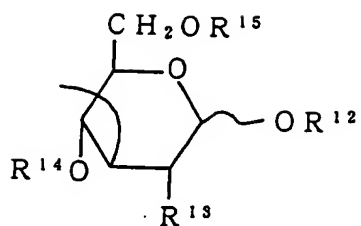
Formula (4)



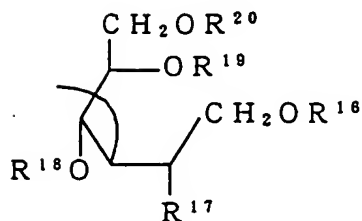
Formula (5)



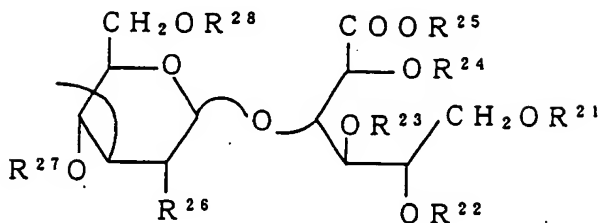
Formula (6)



Formula (7)

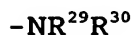


Formula (8)



or when R^{10} is any of formulae (6) to (8), R^{12} to R^{28} except R^{13} , R^{17} and R^{26} in formulae (6) to (8) are the same or different and denote a hydrogen atom or a protective group, and R^{13} , R^{17} and R^{26} denote an azido group or formula (9) below

Formula (9)

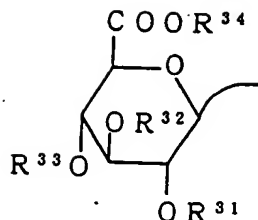


where R^{29} and R^{30} are the same or different and denote a hydrogen atom or a protective group,

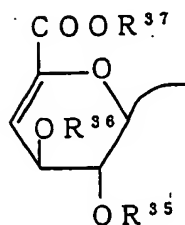
R^2 to R^8 are the same or different and denote a hydrogen atom or a protective group,

R^9 denotes a hydrogen atom, a protective group or formula (10) or (11) below

Formula (10)



Formula (11)



where R^{31} to R^{37} are the same or different and denote a hydrogen atom or a protective group, and

n denotes an integer of 0 to 25, provided that when n is 0, R^1 is a group of formula (2), R^{10} is a group of formula (8), and R^9 is a group of formula (10) or (11),

with the proviso that in formulae (1), (6) to (8), and (10) to (11), the protective groups are the same or different and denote an optionally substituted straight or branched alkyl having 1 to 8 carbon atoms, an optionally substituted straight or branched alkenyl having 2 to 8 carbon atoms, an optionally substituted acyl having 1 to 8 carbon atoms, an optionally substituted aromatic acyl, or an optionally substituted aromatic alkyl,

or any two protective groups of R^2 to R^{37} except R^{13} , R^{17} and R^{26} may be combined to form an optionally substituted alkylidene having 3 to 8 carbon atoms, an optionally substituted cyclic alkylidene having 3 to 8 carbon atoms, optionally substituted benzylidene or optionally

substituted phthaloyl, and

when n is 2 or more, R^2 to R^8 may be the same or different in each recurring unit.

2. The sebum production inhibitor of claim 1 for use as a therapeutic or prophylactic agent for diseases caused by excessive sebum production.

3. The sebum production inhibitor of claim 2, which is a therapeutic or prophylactic agent for acne vulgaris.

4. The sebum production inhibitor of claim 2, which is a therapeutic or prophylactic agent for dandruff.

5. The sebum production inhibitor of claim 2, which is a therapeutic or prophylactic agent for alopecia.

6. The sebum production inhibitor of claim 1 for use as a cosmetic for solving cosmetic problems caused by excessive sebum production.

7. The sebum production inhibitor of claim 1 for use as a deodorant for the body odor associated with aging.

10089179-032702

add B17